



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/749,714

DATE: 08/04/2004

TIME: 08:28:45

Input Set : D:\21900-20307.10 - Seq List.txt
 Output Set: N:\CRF4\08042004\J749714.raw

4 <110> APPLICANT: CORDELL, Barbara
 5 SCHIMMOLLER, Frauke
 6 YU-WANG, Liu
 7 QUON, Diana Hom
 9 <120> TITLE OF INVENTION: MODULATION OF ABETA LEVELS BY
 10 BETA-SECRETASE BACE2
 12 <130> FILE REFERENCE: 219002030710
 14 <140> CURRENT APPLICATION NUMBER: US 10/749,714
 15 <141> CURRENT FILING DATE: 2003-12-31
 17 <150> PRIOR APPLICATION NUMBER: US 09/886,143
 18 <151> PRIOR FILING DATE: 2001-06-20
 20 <150> PRIOR APPLICATION NUMBER: US 60/215,729
 21 <151> PRIOR FILING DATE: 2000-06-28
 23 <160> NUMBER OF SEQ ID NOS: 2
 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 1863
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Homo sapiens
 32 <400> SEQUENCE: 1
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 34 gacgggaccg gctaggctgg ggcgcgcgc cggggccccg ccgtggccat gggcgcactg 120
 35 gccccggcgc tgcgtgcgc tctgtggcc cagtggctcc tgccgcgcgc cccggagctg 180
 36 gccccccgcgc cttcacgct gcccctccgg gtggccgcgg ccacgaaccc cgttagttgcg 240
 37 cccaccccccgg gacccgggac ccctgcccgg cgcacgcgg acggcttggc gtcgcgcctg 300
 38 gagcctgccc tggcgcccc cggggcgcc gccaacttct tgcccatggt agacaacctg 360
 39 cagggggact ctggccgcgg ctactacctg gagatgtga tcgggacccc cccgcagaag 420
 40 ctacagattc tgcgttgcacac tgaaagcagt aactttggcc tgccaggaac cccgcactcc 480
 41 tacatagaca cgtacttga cacagagagg tctagcacat accgctccaa gggcttgac 540
 42 gtcacagtga agtacacaca aggaagctgg acgggcttcg ttggggaaaga cctcgtcacc 600
 43 atccccaaag gcttcaatac ttctttctt gtcaacattt ccactattt tgaatcagag 660
 44 aatttctttt tgcctggat taaatggaat ggaataacttgc gcttagctta tgccacactt 720
 45 gccaagccat caagttcttgc ggagacccccc ttgcactccc tggtgacaca agcaaacatc 780
 46 cccaaacgttt tctccatgca gatgtgtggc gccggcttgc ccgttgtgg atctggacc 840
 47 aacggaggtt gtcttgcatt gggtggatt gaaccaagtt tgtataaaagg agacatctgg 900
 48 tatacccccta ttaaggaaaga gtggactac cagatagaaa ttctgaaatt ggaaatttgg 960
 49 ggc当地aaagcc ttaatcttgc ctgcagagag tataacgcac acaaggccat cgtggacagt 1020
 50 ggc当地accgc tgcgtgccttgc gccccagaag gtgtttgtat cgtgtggatc agctgtggcc 1080
 51 cgc当地catctc tgattccaga attctctgtat ggtttcttgc ctgggtccca gctggcgtgc 1140
 52 tggacgaatt cggaaacacc ttggcttac ttccctaaaa tctccatcta cctgagagac 1200
 53 gagaactcca gcaggtcatt ccgttatcaca atcctgcctc agctttacat tcagccatg 1260
 54 atggggcccg gcctgaatta tgaatgttac cgattcggca tttccccatc cacaatgcg 1320
 55 ctggtgatcg gtgccacggc gatggaggc ttctacgtca tcttcgacag agcccaag 1380



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56 agggtggct tcgcagcgag cccctgtgca gaaattgcag gtgctgcagt gtctgaaatt 1440
 57 tccgggcctt tctcaacaga ggatgttagcc agcaactgtg tccccgtca gtcttgagc 1500
 58 gagcccattt tgtggattgt gtcttatgcg ctcatgagcg tctgtggagc catcctcctt 1560
 59 gtcttaatcg tcctgctgct gtcggccgttc cgggtgcagc gtcgcccccc tgaccctgag 1620
 60 gtctgtcaatg atgagtcctc tctggtcaga catcgctgga aatgaatagc caggcctgac 1680
 61 ctcagaagcaac catgaactca gctattaaga aaatcacatt tccagggcag cagccggat 1740
 62 cgatggtggc gctttctcct gtgcccaccc gtcttcaatc tctgttctgc tcccagatgc 1800
 63 cttcttagatt cactgtctt tgattcttga tttcaagct ttcaaattcct ccctacttcc 1860
 64 aag 1863
 66 <210> SEQ ID NO: 2
 67 <211> LENGTH: 517
 68 <212> TYPE: PRT
 69 <213> ORGANISM: Homo sapiens
 71 <400> SEQUENCE: 2
 72 Met Gly Ala Leu Ala Arg Ala Leu Leu Pro Leu Leu Ala Gln Trp
 73 1 5 10 15
 74 Leu Leu Arg Ala Ala Pro Glu Leu Ala Pro Ala Pro Phe Thr Leu Pro
 75 20 25 30
 76 Leu Arg Val Ala Ala Ala Thr Asn Arg Val Val Ala Pro Thr Pro Gly
 77 35 40 45
 78 Pro Gly Thr Pro Ala Glu Arg His Ala Asp Gly Leu Ala Leu Ala Leu
 79 50 55 60
 80 Glu Pro Ala Leu Ala Ser Pro Ala Gly Ala Ala Asn Phe Leu Ala Met
 81 65 70 75 80
 82 Val Asp Asn Leu Gln Gly Asp Ser Gly Arg Gly Tyr Tyr Leu Glu Met
 83 85 90 95
 84 Leu Ile Gly Thr Pro Pro Gln Lys Leu Gln Ile Leu Val Asp Thr Gly
 85 100 105 110
 86 Ser Ser Asn Phe Ala Val Ala Gly Thr Pro His Ser Tyr Ile Asp Thr
 87 115 120 125
 88 Tyr Phe Asp Thr Glu Arg Ser Ser Thr Tyr Arg Ser Lys Gly Phe Asp
 89 130 135 140
 90 Val Thr Val Lys Tyr Thr Gln Gly Ser Trp Thr Gly Phe Val Gly Glu
 91 145 150 155 160
 92 Asp Leu Val Thr Ile Pro Lys Gly Phe Asn Thr Ser Phe Leu Val Asn
 93 165 170 175
 94 Ile Ala Thr Ile Phe Glu Ser Glu Asn Phe Phe Leu Pro Gly Ile Lys
 95 180 185 190
 96 Trp Asn Gly Ile Leu Gly Leu Ala Tyr Ala Thr Leu Ala Lys Pro Ser
 97 195 200 205
 98 Ser Ser Leu Glu Thr Phe Phe Asp Ser Leu Val Thr Gln Ala Asn Ile
 99 210 215 220
 100 Pro Asn Val Phe Ser Met Gln Met Gly Ala Gly Leu Pro Val Ala Gly
 101 225 230 235 240
 102 Ser Gly Thr Asn Gly Gly Ser Leu Val Leu Gly Gly Ile Glu Pro Ser
 103 245 250 255
 104 Leu Tyr Lys Gly Asp Ile Trp Tyr Thr Pro Ile Lys Glu Glu Trp Tyr
 105 260 265 270
 106 Tyr Gln Ile Glu Ile Leu Lys Leu Glu Ile Gly Gly Gln Ser Leu Asn

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107	275	280	285
108	Leu Asp Cys Arg Glu Tyr Asn Ala Asp Lys Ala Ile Val Asp Ser Gly		
109	290	295	300
110	Thr Thr Leu Leu Arg Leu Pro Gln Lys Val Phe Asp Ala Val Val Glu		
111	305	310	315
112	Ala Val Ala Arg Ala Ser Leu Ile Pro Glu Phe Ser Asp Gly Phe Trp		320
113	325	330	335
114	Thr Gly Ser Gln Leu Ala Cys Trp Thr Asn Ser Glu Thr Pro Trp Ser		
115	340	345	350
116	Tyr Phe Pro Lys Ile Ser Ile Tyr Leu Arg Asp Glu Asn Ser Ser Arg		
117	355	360	365
118	Ser Phe Arg Ile Thr Ile Leu Pro Gln Leu Tyr Ile Gln Pro Met Met		
119	370	375	380
120	Gly Ala Gly Leu Asn Tyr Glu Cys Tyr Arg Phe Gly Ile Ser Pro Ser		
121	385	390	395
122	400	405	415
123	Thr Asn Ala Leu Val Ile Gly Ala Thr Val Met Glu Gly Phe Tyr Val		
124	Ile Phe Asp Arg Ala Gln Lys Arg Val Gly Phe Ala Ala Ser Pro Cys		
125	420	425	430
126	Ala Glu Ile Ala Gly Ala Ala Val Ser Glu Ile Ser Gly Pro Phe Ser		
127	435	440	445
128	450	455	460
129	Thr Glu Asp Val Ala Ser Asn Cys Val Pro Ala Gln Ser Leu Ser Glu		
130	465	470	475
131	Pro Ile Leu Trp Ile Val Ser Tyr Ala Leu Met Ser Val Cys Gly Ala		480
132	Ile Leu Leu Val Leu Ile Val Leu Leu Leu Pro Phe Arg Cys Gln		
133	485	490	495
134	Arg Arg Pro Arg Asp Pro Glu Val Val Asn Asp Glu Ser Ser Leu Val		
135	500	505	510
136	Arg His Arg Trp Lys		
137	515		

VERIFICATION SUMMARY

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Input Set : D:\21900-20307.10 - Seq List.txt
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